STATE OF CALIFORNIA

INSTITUTIONAL TUNING PAF ACCEPTANCE DOCUMENT

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	ENERGY COMHISSION
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CEC-NRCA-LTI-05-A (Revised 01/19)

CERTIFICATE OF ACCEPTANCE

Institutional Tuning PAF Acceptance Document

Project Name:

Enforcement Agency:

CALIFORNIA ENERGY COMMISSION

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Insti	Institutional Tuning PAF Acceptance Document (Page 1 of 3)					
Project Name:			Enforcer	nent Agency:	Permit Number:	
Project Address: Ci			City:		Zip Code:	
Comi	oliance	Results:		Enforcement Agency Use: Checked by/Date		
		or DOES NOT COMPLY]				
[00.						
				cceptance requirements in §130.4(a)7 and Referen		
Inten		ppendix <u>NA7.7.6.2</u> for lighting systems receiving ages 1 through 2, as required, for all systems that		itutional tuning power adjustment factor (PAF). At	tach additional sets of	
	ĮΡ	ages I tillough 2, as required, for all systems that	illusti	e testeu.	6.7	
Indic	ata fur	nctional testing methods used for this project:			~~	
			stions /	and D. 1 of this document should be completed		
		rvation of systems during institutional tuning (Se				
	Verif	cation of systems already tuned (Sections A and	B-2 of t	his document should be completed)		
A. Co	nstruc	tion Inspection (NA7.7.6.2.1)				
	a.	The controls or the methods of controlling the recontrolled lighting system can be limited. (NA7.		m output of luminaires is such that the maximum l (a)	ight output of the	
		The controls or the methods of controlling the r	maximu	m output of luminaires is such that normal operati	on of the controlled	
	b.	lighting does not override the maximum light or		A A A A A A A A A A A A A A A A A A A		
	c.	The controls are not readily accessible to unaut				
	tructio	·		t Comply		
		manaparana sampuanasa S sampuas S s	- 1			
R_1 I	Lunctio	anal Testing by Observation of Systems During Ir	sctituti.	anal Tuning (NA7.7.6.2.2)		
B-1. Functional Testing by Observation of Systems During Institutional Tuning (NA7.7.6.2.2) Building: Room: Control:						
□ Space is representative of sample. (NA7.7.6.2) If sampling method is used, attach a page listing untested spaces in sample.						
Step 1: Determination of light output or maximum power prior to institutional tuning (NA7.7.6.2.2, Step 1) (Current measurements may be used instead of power measurements to show power reduction.)						
a.	Set all lighting controls to provide maximum output of the tested system without applying the limits specified for institutional tuning. (NA7.7.6.2.2, Step 1(a))					
Measure the full light output at a location where the illuminance is due to the controlled lighting and enter the value in b. footcandles (fc). OR Measure the power of the controlled lighting and enter the value in watts (W). (NA7.7.6.2.2, Step					value in	
					., Step	
	<u>1(b)</u>)	1(b)) (If current measurements are being used, enter the measured current in amperes (A).)				
Step 2: Institutional tuning and post-tuning measurement (NA7.7.6.2.2, Step 2)						
c. Apply the limits specified for institutional tuning to the lighting system. Do not alter any other control settings. (NA7.7.6.2.2, Step 2(a), §140.6(a)2Jiii)						
30	Measure the light output at the same location as in Step 1 (line b) and enter the value in footcandles (fc). OR Measure					
d. the power of the same circuit as in Step 1 (line b) and enter the value in watts (W). (NA7.7.6.2.2, Step 2(b)) (If current				ırrent		
measurements are being used, enter the measured current in amperes (A).)						
e.				er institutional tuning to the light or power output of	of the	
٠.		m before institutional tuning and enter the value				
f. The light output or power after institutional tuning is 85% or less of the light output or power before institutional				al l		
	tuning. (line e ≤ 85%) (<u>NA7.7.6.2.2, Step 2(c)</u> , <u>§140.6(a)2Ji</u>) Enter yes (Y) or no (N).					
Funct	ional [Festing Compliance: O Complies O Does N	OT L'OM	INIV		

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CEC-NRCA-LTI-05-A (Revised 01/19)	CALIFORNIA ENER	GY COMMISSION
CERTIFICATE OF ACCEPTANCE		NRCA-LTI-05-A
Institutional Tuning PAF Acceptance Document		(Page 2 of 3)
Project Name:	Enforcement Agency:	Permit Number:
Project Address:	City:	Zip Code:

Building:	Floor:	Room:	Control:
☐ Space is	representative of sample. (NA7.7.6.2) If sample.	ampling method is used, attach a ¡	page listing untested spaces in sample
Step 1: Measu	rement of tuned lighting system (NA7.7.6.	2.2, Step 1) (Current measuremen	ts may be used instead of power mea
to show power			
a. light out (<u>NA7.7.6</u>	Set all lighting controls except institutional tuning controls to provide maximum output of tested system. Controls set to maxing light output include but not limited to: manual dimmers, multilevel occupant sensing controls, and automatic daylighting cor (NA7.7.6.2.2, Step 1(a), §140.6(a)2Jiii)		
b. value in	e the full light output at a location where r footcandles (fc). OR Measure the power c 5.2.2, Step 1(b)) (If current measurements	of the controlled lighting and enter	r the value in watts (W).
<u> </u>	rement of lighting system with institutiona		
Reset in c. includin	stitutional tuning controls to allow full light g but not limited to: institutional tuning coing controls. (NA7.7.6.2.2, Step 2(a))	nt output. Set all lighting controls t	to provide maximum output of tested
d. Measure	e the full light output at the same location e the power of the same circuit as in Step measurements are being used, enter the r	1 (line b) and enter the value in wa	atts (W). (<u>NA7.7.6.2.2, Step 2(b)</u>) (If
Δ Ι	e ratio of the light or power output of the before institutional tuning and enter the v	Arrest States	o the light or power output of the
f. The light	t output or power after institutional tuning (line e ≤ 85%) (<u>NA7.7.6.2.2, Step 2(c), §140</u>	g is 85% or less of the light output 0.6(a)2Ji) Enter yes (Y) or no (N).	or power before institutional
Step 3: If the to	ested system passes the test in Step 2 (line	e f = Y), restore institutional tuning	g settings. (<u>NA7.7.6.2.2, Step 3(a)</u>)
runctional res	(line e ≤ 85%) (NA7.7.6.2.2, Step 2(c), §140 ested system passes the test in Step 2 (line ting Compliance: ○ Complies ○ Do	les Not Comply	

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CERTIFICATE OF ACCEPTANCE NRCA-LTI-05-A					
Institutional Tuning PAF Acceptance Document (Page 3 of 3)					
Project Name:	Enforcement Ag	gency:	Permit Number:		
Project Address:	City:		Zip Code:		
DOCUMENTATION AUTHOR'S DECLARATION STATEMENT					
I certify that this Certificate of Acceptance documentation is	accurate an	d complete.			
Documentation Author Name:		Documentation Author Signature:			
Documentation Author Company Name:		Date Signed:			
Address:		CEA/ATT Certification Identification (If applical	ble):		
City/State/Zip:		Phone:			
FIELD TECHNICIAN'S DECLARATION STATEMENT			2.10		
 I certify the following under penalty of perjury, under the laws of the State of California: The information provided on this Certificate of Acceptance is true and correct. I am the person who performed the acceptance verification reported on this Certificate of Acceptance (Field Technician). The construction or installation identified on this Certificate of Acceptance complies with the applicable acceptance requirements indicated in the plans and specifications approved by the enforcement agency, and conforms to the applicable acceptance requirements and procedures specified in Reference Nonresidential Appendix NA7. 					
I have confirmed that the Certificate(s) of Installation for has been completed and signed by the responsible built permit(s) issued for the building.	or the constr	ruction or installation identified on thi			
Field Technician Name:	-	Field Technician Signature:			
Field Technician Company Name: Position with Company (Title):					
Address:	0,	ATT Certification Identification (if applicable):			
	,	×0.			
City/State/Zip:		Phone.	Date Signed:		
RESPONSIBLE PERSON'S DECLARATION STATEMENT					
 I certify the following under penalty of perjury, under the laws of the State of California: I am the Field Technician, or the Field Technician is acting on my behalf as my employee or my agent and I have reviewed the information provided on this Certificate of Acceptance. I am eligible under Division 3 of the Business and Professions Code in the applicable classification to accept responsibility for the system design, construction or installation of features, materials, components, or manufactured devices for the scope of work identified on this Certificate of Acceptance and attest to the declarations in this statement (responsible acceptance person). The information provided on this Certificate of Acceptance substantiates that the construction or installation identified on this Certificate of Acceptance complies with the acceptance requirements indicated in the plans and specifications approved by the enforcement agency, and conforms to the applicable acceptance requirements and procedures specified in Reference Nonresidential Appendix NA7. I have confirmed that the Certificate(s) of Installation for the construction or installation identified on this Certificate of Acceptance has been completed and is posted or made available with the building permit(s) issued for the building. 					
5. I will ensure that a completed, signed copy of this Certificate of Acceptance shall be posted, or made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a signed copy of this Certificate of Acceptance is required to be included with the documentation the builder provides to the building owner at occupancy. Responsible Person Name: Responsible Person Signature:					
Responsible Person Company Name:		Position with Company (Title):			
Address:		CSLB License:			
City/State/Zip:		Phone:	Date Signed:		
'					